

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029

Dated 13.04.2026

The First Secretary
Embassy of India
Japan, Tokyo

Subject: Advertisement for Purchase installation & commissioning of following equipment for
AIIMS, Campus, New Delhi, INDIA

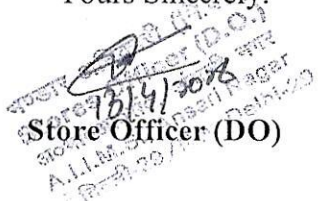
Dear Sir,

As per OM dated 14/03/2022 issued by Competent Authority, AIIMS, 'Global Tender' for equipment are Various equipment are being floated with view to avail the possibility of purchasing the latest model available in the International Market. In order to ensure that Global Tenders receive widest possible publicity in the International Market, and to create a good competition, I am directed to approach you to kindly arrange the publication of this tender in some of the leading National Dailies in the country/area of your operations and for the sale of the tenders through your good offices on our behalf there. Soft copy of Tender enquiry document are available on website: www.aiims.edu, www.aiims.ac.in, & www.tenders.gov.in for further details of these tenders:

Sl. No.	Tender Number	Item Name		EMD in INR
1.	XX-02/SO(DO)/Biochemistry/2026-27/M&E	Multimode Microplate Reader	As per specs.	1,80,000/-
2.	XX-03/SO(DO)/Physiology/2026-27/M&E	Rota-Rod Apparatus for Animals Behavior Monitoring, tracking & Analysis System	As per specs.	44,000/-
3.	XX-04/SO(DO)/Ortho/2026-27/M&E	Arthroscopy Systems	As per specs.	4,00,000/-

Earnest Money Deposit/ Bid Security should be submitted mentioned as above (payable in favour of "AIIMS MAIN GRANT", AIIMS., New Delhi. The Bid Security is refundable after finalization of the tender. Furthers, it is requested that suitable advertisement may kindly be arranged at your end.

Yours Sincerely.


Store Officer (DO)

Encl: As above.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



शरीरमाद्यं रक्तु धर्मसाधनम्

Advertised Tender Enquiry No.: XX-02/SO(DO)/Biochem./2026-27/M&E

Brief Description of Goods : Purchase of Multimode Microplate Reader
- 02 Nos.

SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDERS ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : XX-02/SO(DO)/Biochem./2026-27/M&E

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD
1.	Purchase of Multimode Microplate Reader	02 Nos.	INR Rs. 1,80,000/-

CRITICAL DATE SHEET

Published Date & Time	07-04-2026 at 04.00 pm
Bid Document Download/Sale Start Date	07-04-2026 at 04.00 pm
Seek Clarification Start Date	07-04-2026 at 04.00 pm
Seek Clarification End Date	14-04-2026 at 04.00 pm
Pre Bid Meeting	21-04-2026 at 03.00 pm
Pre Bid Meeting Place & Address	<i>Seminar Room (Room 4004), Convergence Block, Department of Biochemistry, AIIMS New Delhi-110029</i>
Bid Submission Start Date & Time	30-04-2026 at 04.00 pm
Bid Submission End Date & Time	14-05-2026 (Thursday) at 03.00 pm
Bid Opening Date & Time	15-05-2026 (Friday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:

<https://eprocure.gov.in/eprocure/app>

2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/ modifications in the Tender Enquiry Document.

6. Intending bidder are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of bid, for any corrigendum.

7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Stores Officer, Store Section (DO), Ist floor, Animal House Building(Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Name of Equipment	Consignee	Quantity per Deptt. (No.)	Total Quantity per Schedule (No.)	Warranty Period	CAMC period after warranty
1	Multimode Microplate Reader	Department of Biochemistry	02	02	02 year	08 year

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

180 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date by when it is to be delivered at consignee site. Bidders may quote earliest delivery period.

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

180 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Bidders may quote the earliest delivery period).

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

For delayed delivery and/or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13.

Part IV: Turnkey Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details mentioned in technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance.

Comprehensive Annual Maintenance Contract (CAMC) as per details in Technical Specification as specified in part I above. Comprehensive Annual Maintenance Contract (CAMC) will start from the date of successful completion of warranty period.

Required Terms of Delivery and Destination.

a) For Indigenous goods or for imported goods if supplied from India:

Free Delivery at Consignee's Site(s)

b) For Imported goods directly from abroad:

The foreign bidders are required to quote their rates on CIP (Named Port of Destination Basis) giving breakup of the price as per the Performa prescribed in the Price Schedule. Purchaser will place the order on CIP (Named Port of Destination basis).

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Section - VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

TECHNICAL SPECIFICATIONS FOR OF MULTIMODE MICROPLATE READER - 02 NOS.

- An integrated Multimode Microplate Reader system having primarily a True-hybrid technology for measurements in fluorescence and luminescence and UV-vis absorbance measurements
- System should be capable of measuring Absorbance (UV/Visible), Fluorescence Intensity (top & bottom), FRET and luminescence, BRET (top & bottom)
- The same system should be capable of future upgradation with technologies such as Time resolve Fluorescence (TRF), TR-FRET, Fluorescence Polarization (FP) and Reagent dispensers.
- Light Source - Xenon Flash Lamp
- System should have the capacity to read different plate format of 6, 12, 24, 48 96 and 384 wells.
- The system should be able to perform Endpoint reading, Kinetic reading, Spectral scanning & well scanning.
- System should have a software controlled thermal regulation for temperature dependent kinetic assays. Temperature control should be from 4°C above ambient up to 45°C (0.5 °C increments) or better.
- Capable of plate shaking in multiple modes: Linear, orbital, dual orbital (software supported duration, speed & amplitude adjustment)
- Bandwidth for quad-monochromators/LVF Monochromater (Fluorescence intensity/Absorbance): 9nm or better
- System should have silicon photodiode for absorbance and dedicated PMTs for fluorescence and luminescence as detector

- **UV-VIS Absorbance**
 - Wavelength range: ≤ 230 to ≥ 999 nm
 - Wavelength selection: Monochromator / Spectrometer with 1nm increment
 - Wavelength bandwidth: < 4.0 nm,
 - Photometric range: 0 to 4.0 OD,
 - Photometric Accuracy (Microplate): < 0.006 OD $\pm 1.0\%$ @ 0-2 OD
 - Wavelength Precision: ± 0.2 nm

- **Fluorescence Intensity**
 - Top and Bottom measurement
 - Wavelength range: ≤ 250 to ≥ 740 nm (Excitation and Emission) tunable in 0.5nm increments
 - Wavelength Selection: True-hybrid mode by allowing either Quad Monochromators/LVF Monochromators OR Filter for excitation & emission in any combination for a single measurement
 - Bandwidth (EX, EM): user selectable between 9nm -50nm
 - Sensitivity: $< 5 \times 10^3$ fmolFluorescein

- **Luminescence**
 - Wavelength range: ≤ 400 to ≥ 650 nm
 - Wavelength selection: Monochromator and/or filter based
 - Reading mode: Top & bottom
 - Sensitivity :< 10pmoles/well lower detection limit for firefly luciferase in 96 well top read
- The user should be able to switch & use all these technologies set in the plate reader easily i.e. include all the technology modules together in the system without replacing one for the other (Absorbance, Fluorescence Intensity (top/bottom) Luminescence, alpha screen, Time-Resolved Fluorescence, fluorescence polarisation and imaging)
- Unlimited users/ license free Software integrated system with 21 CFR compliance which provides data acquisition, analysis and management capabilities, allowing cross-plate analysis and custom calculations. System should have compatible PC configuration.
- The system should come with laser printer and UPS with 10 mins backup.
- The supplier should provide 2-Years CAMC followed by 8-Years AMC on the instrument with calibration services 6 monthly during CAMC period, and annually during AMC period.
- The supplier should have direct Service & Application support to install and provide comprehensive onsite training to users on the operation of the instrument, software and applications.
- System should be European CE /US FDA / BIS approved and software should be 21 CFR Complaint US FDA Part 11
- Supplier should be able to provide minimum 5 installations in govt. institutes/academics. Supplier should give details of user list.

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TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



शरीरमाद्यं रक्तु धर्मसाधनम्

Advertised Tender Enquiry No.: XX-03/SO(DO)/Physiology/26-27/M&E

Brief Description of Goods : Purchase of Rota-Rod Apparatus for Animals Behavior Monitoring, tracking & Analysis System - 01 No.

SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDER ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : **XX-03/SO(DO)/Physiology/26-27/M&E**

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD (in Rs.)
1.	Purchase of Rota-Rod Apparatus for Animals Behavior Monitoring, tracking & Analysis System	01 No.	INR Rs. 44,000/-

CRITICAL DATE SHEET

Published Date & Time	07-04-2026 at 04.00 pm
Bid Document Download/Sale Start Date	07-04-2026 at 04.00 pm
Seek Clarification Start Date	07-04-2026 at 04.00 pm
Seek Clarification End Date	14-04-2026 at 04.00 pm
Pre Bid Meeting	NA
Pre Bid Meeting Place & Address	NA
Bid Submission Start Date & Time	21-04-2026 at 04.00 pm
Bid Submission End Date & Time	11-05-2026 (Monday) at 03.00 pm
Bid Opening Date & Time	12-05-2026 (Tuesday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:

<https://eprocure.gov.in/eprocure/app>

2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

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7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Sr. Stores Officer, Store Section (DO), 1st floor, Animal House Building (Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Name of Equipment	Consignee	Quantity per Deptt. (No.)	Total Quantity per Schedule (No.)	Warranty Period	CAMC period after warranty
1	Rota-Rod Apparatus for Animals Behavior Monitoring, tracking & Analysis System	Department of Physiology	01	01	02 years	08 years

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

180 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date by when it is to be delivered at consignee site. Bidders may quote earliest delivery period.

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

180 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Bidders may quote the earliest delivery period).

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

For delayed delivery and/or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13.

Part IV: Turnkey Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details mentioned in technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance.

Comprehensive Annual Maintenance Contract (CAMC) as per details in Technical Specification as specified in part I above. Comprehensive Annual Maintenance Contract (CAMC) will start from the date of successful completion of warranty period.

Required Terms of Delivery and Destination.

a) For Indigenous goods or for imported goods if supplied from India:

Free Delivery at Consignee's Site(s)

b) For Imported goods directly from abroad:

The foreign bidders are required to quote their rates on CIP (Named Port of Destination Basis) giving breakup of the price as per the Proforma prescribed in the Price Schedule. Purchaser will place the order on CIP (Named Port of Destination basis).

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Section - VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Technical Specification of Rota-Rod Apparatus for Animals Behavior Monitoring, tracking & Analysis System

Quantity: 1

The system should have the following features:

- 1) At least four running drums for use for rats & mice. Same system should be of use for both rats and mice, by changing rotating drums/ spindle.
- 2) Grooves should be there in the rotating rod to provide better grip to the animal.
- 3) The capacity to record and display for each rat or mice; angular speed or accelerating speed, running time of each animal, distance travelled and the time at which animal falls.
- 4) The fall of animal from the rotating rod should be detected through infrared beam sensors.
- 5) Acceleration speed should be from 1 RPM to at least 20 RPM & increments should be there.
- 6) Angular speed from zero to at least 40 RPM.
- 7) The facility to communicate with PC and data can be saved in excel sheet.
- 8) It should come with software to score the cumulative running from the rats.
- 9) System should be able to run standalone, operating and displaying results without the need for PC/ laptop.
- 10) Capacity to store the results of each session temporarily for at least 20 minutes.
- 11) Online UPS with battery backup for at least one hour on full load.
- 12) Provide suitable latest configuration, branded, windows-based computer
- 13) System must have warranty for 2 years & CAMC for 8 years after completion of warranty.
- 14) Financial penalty (Rs 2000/ episode) will be applicable if the downtime of the unit /system exceeds 24 h / 48 h (*as applicable*) and if > 7 days, show-cause notice will be served.
- 15) Consumables / spare parts (*if any*) cost for the next 5 years related to the system/ equipment should be quoted separately.
- 16) Comprehensive onsite training for the users should be provided within one month of installation.
- 17) Warranty for 2 years and CMC cost from 3rd to 10th year as per AIIMS guidelines should be quoted.
- 18) GEM certificate should be provided.
- 19) Make in India certificate (At least 26 % of total system should be made in India).
- 20) US FDA/BIS/ISO/CE certificate as applicable.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



शरीरसाग्रं रक्तु धर्मसाधनम्

Advertised Tender Enquiry No.: XX-04/SO(DO)/Ortho/2026- 27/M&E

Brief Description of Goods

: Purchase of Arthroscopy Systems - 01 No.

SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDERS ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : XX-04/SO(DO)/Ortho/2026-27/M&E

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD
1.	Purchase of Arthroscopy Systems	01 No.	INR Rs. 4,00,000/-

CRITICAL DATE SHEET

Published Date & Time	11-04-2026 at 04.00 pm
Bid Document Download/Sale Start Date	11-04-2026 at 04.00 pm
Seek Clarification Start Date	11-04-2026 at 04.00 pm
Seek Clarification End Date	17-04-2026 at 04.00 pm
Pre Bid Meeting	21-04-2026 at 03.30 pm
Pre Bid Meeting Place & Address	Department of Orthopaedics, Room No. 5038, 5 th Floor, Teaching Block, AIIMS, New Delhi
Bid Submission Start Date & Time	30-04-2026 at 04.00 pm
Bid Submission End Date & Time	14-05-2026 (Thursday) at 03.00 pm
Bid Opening Date & Time	15-05-2026 (Friday) at 03.00 pm

Instructions:

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SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Name of Equipment	Consignee	Quantity per Deptt. (No.)	Total Quantity per Schedule (No.)	Warranty Period	CAMC period after warranty
1	Arthroscopy Systems	Department of Orthopaedics	01	01	02 year	08 year

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

180 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date by when it is to be delivered at consignee site. Bidders may quote earliest delivery period.

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

180 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Bidders may quote the earliest delivery period).

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

For delayed delivery and/or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13.

Part IV: Turnkey Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details mentioned in technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance:

Comprehensive Annual Maintenance Contract (CAMC) as per details in Technical Specification as specified in part I above. Comprehensive Annual Maintenance Contract (CAMC) will start from the date of successful completion of warranty period.

Required Terms of Delivery and Destination.

a) For Indigenous goods or for imported goods if supplied from India:

Free Delivery at Consignee's Site(s)

b) For Imported goods directly from abroad:

The foreign bidders are required to quote their rates on CIP (Named Port of Destination Basis) giving breakup of the price as per the Performa prescribed in the Price Schedule. Purchaser will place the order on CIP (Named Port of Destination basis).

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Section - VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Arthroscopy Systems

SECTION A CAMERA SYSTEM

4K-UHD Integrated Camera System for Arthroscopy

4K/UHD Camera Console (One Unit)

- The Console should combine the latest technology, 4Kvision (2160p), 4K 3-Chip/1-Chip CMOS camera with up to 10-bit for 1 billion colorizations
- Camera Rear Panel should have numerous Input & Display Port/DVI Outputs/3G SDI Outputs.
- Camera should have resolution of 3840X2160 lines with Progressive Scan Technology

LED Light Source

- The LED light source should have minimum 30,000-hour Life span
- Power consumption: 90-100 W
- Light output/light flux: minimum of 1,800 lumen or more (typical)
- Should be Compatible with Light Cables of Different Manufactures
- Should have Light guide port turret with ACMI™ Standard, Storz™, Wolf™, and Olympus™ light cable options

Fibre-Optic Light Cable (Four Unit)

- Light Guide Cable should have diameter of minimum 5 mm & length of 2.5 - 3 m

Image Management System (Two Unit)

- Export of Images/Video to USB, I-Pad, Desktop, Laptop through Networking/Wi-Fi connectivity
- Should have minimum 128 GB Storage

UHD 4K Camera Head (Two Unit)

- The 4K Camera head should have resolution of minimum 3840 x 2160 Pixel (8.3 Million Pixels)
- Camera Head should have Programmable Buttons to Set Surgeon Preferences
- Inbuilt zoom facility should be available
- Should be plasma/Autoclave capable

UHD 4K Monitor (One Unit)

- Should be minimum 31" 4K monitor with Resolution of 3840 x 2160 (4 times HD)
- Monitor should support 10 bits (1.073 billion colors)
- Should have Versatile Multi-Format Signal Support
- Should have Wide Screen and aspect ratio of 16:9
- The Contrast Ratio should be 1400:1 or more
- The Video Input should have multiple Display Ports like DVI and HDMI
- Video Output: 1 DVI port & 1 3G-SDI

Arthroscopes - 30° (Two Units)

- 4K Arthroscopes 30° should have diameter of 4mm to 5mm diameter with its corresponding sheath and obturator
- Arthroscopes 30° should have diameter of 2.4 mm to 2.7 mm diameter and length of less than 10 cm with its Arthroscopy
- Scope Should be a Wide Angle, Direct View 4K Arthroscope
- The scope should be fully Autoclavable
- The 4K scope should offer High depth of field focus with high resolution all the way to the edge of picture

Arthroscopes - 70° (One Unit)

- 4K Arthroscopes 70° should have 4mm to 5mm diameter and with its corresponding sheath and obturator
- Scope Should be a Wide Angle, Direct View 4K Arthroscope
- The scope should be fully Autoclavable
- Should be Scratch resistant sapphire lens on proximal and distal tip

Equipment Cart with Articulating Arm of the same company as the Camera (One Unit)

- The video Cart should have Shockproof powder-coating
- Should have Anti-Static roller set with cable guards
- Should have Detachable cable guards

- Should have minimum 4 lockable castors
- Should have Isolating transformer 2,000 VA with earth leakage guard
- Should have a minimum of 5 storage shelves
- Should also have an option extendable storage shelf
- Should have provision of Drawer
- Should allow Mounting position for central-monitor-mount
- Should also allow Mounting position for articulation-monitor-arm
- Should have Cable winding aid
- Should be provided with Sterilizable storage box for each arthroscope (03 in numbers) from the same company.

SECTION B SHAVER SYSTEM

A. Control Console Unit – Qty 02 Nos.

- Colored illumination rings (5) display matched drills and foot pedals for free and confident workflow.
- Two-foot pedal ports: ability to assign two pedals to a single hand piece.
- Motor output minimum speed of 900 rpm and maximum speed of 12,000 rpm or above.
- Motor minimum oscillation of 900 rpm and maximum oscillation of 3,000 rpm or above.
- Console should have touch screen for easy operation.
- Motor duty cycle with continuous operation.
- Auto identification of Shaver cutters by console.
- Common Foot Switch operation for Console.
- Toggle function on Footswitch for easy switchover programmable.
- System should conform to IEC Requirements for Medical Safety.
- Customizable interface software for making user preference files.

B. Footswitch – Qty 02 Nos.

- Toggle function footswitch for easy switch-over.
- Water-tight
- Speed Control options.
- Customizable Button Mapping – Programmable as per user needs.
- Should control forward, reverse and Oscillation needs.

C. Shaver hand piece – Qty 03 Nos.

- Should have hand-controlled Option with color coded buttons.
- Should have the speed of minimum speed 900 rpm and maximum speed 12,000 rpm or above.
- Should have the three-mode forward, reverse and oscillating.
- Should have the suction control in percentage.
- Should be autoclavable.
- Should be compatible with blade (Cutters and Burrs) sizes ranging from 2mm to 5.5mm or separate handpiece should be provided.

D. Disposable Shaver Blades. & Burs

- 2.0 mm and 2.5mm shaver blade for aggressive resection of TFCC 20 Nos. Ten
Each
- 2 mm and 3 mm bur fluted for small joint procedures-20 Nos (10 each)
- 3.5-4.5 mm shaver blade for aggressive resection of meniscus and cartilage- 400 Nos.

- 4 mm resector for removal of periosteum from the acromion & effective on articular cartilage- 400 Nos.
- 5-5.5 mm Barrel Bur Fluted for rapid, aggressive subacromial decompression- 50 Nos.
- 5-5.5 mm round bur Fluted for general abrasion notchplasty and decompression without clogging-50 Nos.

E. Drill Handpiece – Qty 02 Nos.

- Maximum Speed not less than 50,000 RPM.
- Should accept straight and angled attachments.
- Should have facility of hand-controlled hand-switch also.
- Should be able to mount accessories/attachments without usage of any tools DC brushless motors.

F. Attachments for the Drill -02 Each

- Angled Long.
- Angled Medium.
- Straight Medium.
- Straight Long.
- Drill bits of assorted sizes (Total 20 Nos.)

G. Burs for the Attachment

- Assorted Cutting & Diamond from 1 mm to 8 mm 10 Burs of each size.

Micro-saw Hand Piece

- Maintenance free motor to be provided with each type of saw.
- Sterilizable through steam/ETO/flash autoclavable.
- Should have output/peak power of 130 watt or more.
- Should have special coating tolerable to multiple SPD processing cycles.
- Should have compatibility with torque adjustment software in console to deliver torque as per the need of surgeon.

H. Sagittal saw hand piece – Qty 2 Nos.

- Should run at CPM of 25,000 cpm or more.
- Weight of the handpiece should be less than 0.55 lbs (0.25kg)
- Assorted Blades-5 Nos.

I. Oscillating saw hand piece – Qty 3 Nos.

- Should run at CPM of 20,000 cpm.
- Weight of the handpiece should be less than 0.55 lbs (0.25kg)
- Assorted Blades – 5 Nos.

J. Reciprocating saw hand piece – Qty 2 Nos.

- Should run at CPM of 14,000 cpm.

- Weight of the handpiece should be less than 0.55 lbs (0.25kg)
 - Assorted Blades - 5 Nos.
- K. Universal Driver - Qty 3 Nos.
- Maximum speed of 1,500 rpm.
 - Trigger control for variable speed control on the handpiece.
 - Cannulated for use with wires and pins.
 - Forward/Reverse and oscillation mode controls on the handpiece.
- L. Pin Collet for Universal Driver - Qty 3 Nos.
- M. Jacobs Chuck with key - Qty 2 Nos.
- N. Wire Collet of compatible and suitable diameter - Qty 3 Nos.
- O. Connecting cord - Qty 6 Nos.
- 10ft long, 3/8" diameter flexile electrical connecting cord.
 - Dot-to-Dot type push-pull connectors at both ends.
 - Autoclavable.
- P. Compatible Irrigation tubings - Qty 20 Nos.

SECTION C

Arthroscopic hand instruments having state of art quality, durability, precise tactile feel & an extremely low profile tip. The instrument should have hinge less design to ensure durability & life time guarantee against manufacturing defect with following features.

PUNCHES

1. 2.5mm-5mm shaft diameter, wide biter 15degree up curved shaft, straight tip Three Nos.
2. Medium punch 2.5mm-5mm straight shaft, 15degree up tip Three Nos.
3. Punch large 2.5mm-5mm diameter straight shaft and tip. Three Nos.
4. Punch large 2.5mm-5mm straight shaft, 45 deg Right/Left Angled tip. Three Nos.
5. Punch-Rotary with 32.5mm-5mm straight shaft ,90 deg right tip Three Nos.
6. Punch-Rotary with 2.5mm-5mm straight shaft ,90 deg left tip Three Nos.
7. Reverse Punch with 2.5mm-5mm diameter, straight shaft, Straight tip Three Nos.
8. Reverse Punch with 2.5mm-5mmdiameter, straight shaft,15 deg up tip Three Nos.
9. Punch Medium with 2.5mm-5mmshaft diameter,100-220mm, straight tip Three Nos.
10. Punch small joint,2.75-3.00mm diameter, straight shaft, straight tip Three Nos.
11. Punch small joint with 2.75-3.00mm dia, straight shaft,45 deg right angled tip Three Nos.
12. Punch small joint with 2.75-3.00mm dia, straight shaft,45 deg left angled tip Three Nos.

GRASPER

1. Grasper- for meniscus with 4mm-4.2 mm diameter, straight shaft with hook tip Three Nos.
2. Grasper-for rotator cuff with 3.4mm diameter, straight shaft with hook tip Three Nos.
3. Hand instruments sterilization case with 16 or more slots Three Nos.
4. Grasper Loose body with 4mm-4.2mm diameter,190mm-220mm, straight shaft straight tip Three Nos.
5. Grasper small joint, Blunt with dia 2.75mm-3.00mm, straight shaft, straight tip Three Nos.

SUTURE CUTTER

- 1. Suture cutter 4.2 mm, closed ended Three Nos.
- 2. Suture cutter 4.2 mm, open ended Three Nos.

Antegrade Suture Passer & Grasper	STRAIGHT CURVED	Three Nos.
	RIGHT CURVED	Three Nos.
	LEFT CURVED	Three Nos.
Retrograde Suture Passer & Grasper		Three Nos.

Other Terms & Conditions.

- All the products should be from the same manufactures and compatible to each other.
- All the products should be USFDA and European CE and BIS approved.
- Entire set to be Quoted/Supplied by the eligible bidder.
- The prices of consumables (shaver blades, burr, saw blades, drill bits and compatible irrigation tubings) will be frozen for next Ten years.
- The rates of the whole system including accessories will be taken into account. The separate rate list of all the items must be provided.
- Onsite services within 24 hours of intimation and to provide a loaner equipment within 24 hours if any kind of service is delayed
- 02 Years Warranty and + 08 Years CAMC.
